Claims

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- 1. A computer component heater operably coupled to a pulse width modulation (PWM) power controller, said power controller in operation varying a PWM duty cycle in relation to the voltage of the power source supplying the heater.
- Apparatus according to claim 1 wherein the PWM duty
 cycle is related to the voltage of the heater's power source via a lookup table.
 - 3. Apparatus according to either one of the preceding claims, wherein the power controller is operable to further vary a duty cycle in relation to a heater power dissipation dependent upon user preference.
- Apparatus according to any one of the preceding claims, wherein the power controller is operable to further
 vary a duty cycle in relation to a temperature dependent heater wattage.
 - Apparatus according to any one of the preceding claims, wherein the heater comprises two heating elements
 with a total resistance in the range of 10 to 50 Ohms.
 - 6. Apparatus according to any one of the preceding claims, wherein the PWM power controller is operable to control the power supply to the heater irrespective of whether a computer component with which it is associated currently has power.

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- Apparatus according to any one of the preceding claims, which is operable such that a user may select a temperature threshold at which to activate the heater.
- 5 8. Apparatus according to any one of the preceding claims, which is operable such that a user may select a degree of hysteresis between temperature thresholds at which to activate and deactivate the heater.
- Apparatus according to any one of the preceding 10 9. claims, which is operable such that a user may select a maximum heating duration.
- 10. Apparatus according to any one of the preceding 15 claims, which is operable such that a user may select a battery protection voltage threshold.
- 11. Apparatus according to any one of the preceding claims wherein the heater's power supply comprises a vehicle 20 battery.
 - 12. A computer component heater operably coupled to a PWM power controller in accordance with any one of the preceding claims wherein the computer component is any one of:
 - i. a hard disk;

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- ii. an LCD display; and
- iii. a battery.
- 13. A computer component heater operably coupled to a PWM power controller in accordance claim 12 wherein the computer component comprises the heater.

- 14. A computer component heater operably coupled to a PWM power controller in accordance with any one of claims 12 to 13 wherein the computer component comprises the PWM power controller.
- 15. A method of heating a computer component characterised by the steps of
- i. operably coupling a computer component heater to a pulse width modulation (PWM) power controller;
 and

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drawings.

ii. the power controller automatically varying a duty cycle in relation to the voltage of the power supply to the heater.

16. Apparatus according to claim 1 and substantially as hereinbefore described with reference to the accompanying